



George C. Marshall Space Flight Center
Marshall Space Flight Center, Alabama 35812

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BASELINE
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FACILITY OPERATING PROCEDURE

ED27 / STRUCTURAL AND DYNAMICS TESTING GROUP

CABLING SCHEMATIC FOR THE KEITHLEY 500A DATA ACQUISITION SYSTEM USING THE AMM2 AND AIM3A INTERFACE CARDS

**CHECK THE MASTER LIST—
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DOCUMENT HISTORY LOG

Status (Baseline/ Revision/ Canceled)	Document Revision	Effective Date	Description
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1. INTRODUCTION

1.1 Scope. This procedure defines the cabling required for data acquisition using the Keithley 500A with the AMM2 and AIM3A interface cards.

1.2 Purpose. This procedure defines the system to fulfill the requirements of ED27-OWI-M&V-002 "Quality Records Control".

1.3 Applicability. This procedure applies to data acquisition using the Keithley 500A Data Acquisition System used in the performance of dynamic and controls testing within the Modal and Control Dynamics Team(ED27).

2. REFERENCE DOCUMENTS

ED27-OWI-M&V-002 "Quality Records Control"

ED27-EMA-FOP-008 "Cabling Schematics for the Hewett Packard 9000 Computers with Hewett Packard 3565 Measurement Hardware for Modal Surveys"

Associated Equipment Manuals

Keithley DAC 500-Series Measurement and Control Systems Manual

Keithley ASYST VIEWDAC Reference Manual

3. DEFINITIONS

3.1 AMM2 The AMM2 is the Master Analog Measurement Module which functions as a standard analog input module, selects and conditions analog signals from other analog input modules, and serves as a 16-bit A/D converter for all input channels. The AMM2 can accept 16 single-ended or 8 differential analog inputs.

3.2 AIM3A The AIM3A is a Analog Input Module which accepts 32 single-ended or 16 differential analog inputs.

4. INSTRUCTIONS Follow the cabling schematic on the page titled Keithley 500A Data Acquisition System Cabling Schematic.

5. QUALITY RECORDS

No Quality Records Required.

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KEITHLEY 500A DATA ACQUISITION SYSTEM
CABLING SCHEMATIC

